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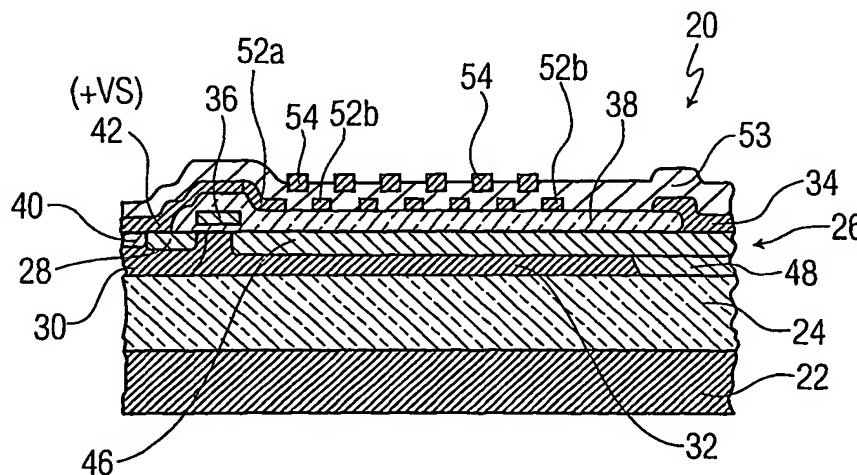
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- (54) Title: LATERAL THIN-FILM SOI DEVICE HAVING A FIELD PLATE WITH ISOLATED METALLIC REGIONS**



- (57) Abstract:** In a lateral thin-film Silicon-On-Insulator (SOI) device, a field plate is provided to extend substantially over a lateral drift region to protect the device from package and surface charge effects. In particular, the field plate comprises a layer of plural metallic regions which are isolated laterally from one another by spacing so as to assume a lateral electric field profile which is established by a volume doping gradient in the silicon drift region.



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